

[Document Name] Abstract

[Summary]

[Object] The object of the present invention is to provide a technique for species-specifically detecting a microorganism naturally inhabiting in the deep sea or an analog thereof, based on the characteristics of its genetic information.

[Means for Solving the Problem] A 16S rDNA which has the base sequence of SEQ ID NO:1. An oligonucleotide probe which comprises part of the base sequence of SEQ ID NO:1. A method for detecting or identifying a bacterium selected from the group consisting of *Psychrobacter pacificus*, *Psychrobacter glacincola* and analogs thereof, using an oligonucleotide probe comprising part of the base sequence of SEQ ID NO:1.

[Selected Figure] None